

OBRATSOVA, G.A.; TROSHIKHIN, V.A., zaveduyushchiy.

Effect of blocking out the vestibular apparatus upon general development and reflex activity in a rabbit during ontogenesis. Trudy Inst.fiziol. 1:173-186 '52. (MLBA 6:8)

1. Laboratoriya ontogeneza vysshey nervnoy deyatel'nosti.  
(Conditioned response) (Labyrinth (Ear))

KOMAROVA, T.F.; TROSHIKHIN, V.A.

Some data on the inheritance and variability of typological properties of the nervous system in ontogenesis. Trudy Inst.fiziol. no.2:228-251 (MLRA 7:5) '52.

1. Laboratoriya sravnitel'nogo ontogeneza vysshey nervnoy deyatel'nosti (zaveduyushchiy - V.A.Troshikhin). (Nervous system)

TROSHIKHINA, P. M.

Respiration

Modification of respiratory rhythm in ontogenesis in animals, Fiziol.zhur., 39, no. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

TROSHIKHIN, V.A.

Development of orientation reaction and formation of motor conditioned defense reflexes in puppies. Fiziol. zh. SSSR 39 no.3:265-274 May-June 1953.  
(CML 25:1)

1. Institute of Physiology imeni I. P. Pavlov of the Academy of Sciences USSR.

TROSHIKHIN, V.A.

Development of the orientation reaction and the establishment of motor conditioned-defensive reflexes in puppies. *Fiziol.zhur.* 39 no.3:265-274  
My-Je '53. (MLRA 6:6)

1. Institut fiziologii im. I.P. Pavlova Akademii Nauk SSSR,  
(Conditioned response)

TROSHIKHIN, V.A.; MAKARENKO, A.N.

A method for studying conditioned reflex activity in puppies in early stages of development. Zhur.vys.nerv.deiat. 4 no.5:724-727 (MLRA 8:7)  
S-O '54.

1. Institut fiziologii im. I.P.Pavlova AN SSSR.  
(REFLEX, CONDITIONED,  
technic in young dogs)

~~TROSHIKHIN V.A.~~

Effect of age and training on the mobility of neural processes in dogs. Trudy Inst.fiziol. 5:165-173 '56. (MIRA 10:1)

1. Laboratoriya sravnitel'nogo ontogeneza vysshey nervnoy deyatel'-nosti. Zaveduyushchiy - V.A.Troshikhin.  
(NERVOUS SYSTEM) (TEMPERAMENT) (AGE)

EXCERPTA MEDICA Sec.2 Vol.9/9 Physiology, etc. Sept 56

4158. TRISHIKHIN V.A. 'I.P. Pavlov' Inst. of Physiol., AN, Leningrad, SSSR.  
\*Formation and development of generalization in early  
ontogenesis (Russian text) FIZIOL. Ž. 1956, 42/2 (186-191) Tables 3  
Conditioned motor responses to feeding (unconditioned stimulus) and conditioned  
acoustic stimuli develop in puppies on the 15th day of life. Conditioned differentia-  
tion between different acoustic stimuli develops within 35 to 40 days.  
Simonson - Minneapolis, Minn.

TROSHIKHIN, V.A.

Origin and development of the process of generalization in early ontogenesis. Fiziol. zhur. 42 no.2:186-191 F '56. (MLRA 9:6)

1. Institut fiziologii imeni. I.P. Pavlova AN SSSR, Leningrad.  
(AGING, physiology,  
eff. on conditioned digestive reactions in puppies (Rus))  
(REFLEX, CONDITIONED,  
age factor in conditioned digestive reactions in puppies  
(Rus))

TROSHIKHIN, V.A.

Dissertations. Dept. of Biological Sciences, Jul-Dec 1957.  
Vest. Ak Nauk SSSR, 1958, No. 4, pp. 120-22.

At the Inst. of Physiology im. I. P. Pavlov the following dissertations were defended:

for the degree of Doctor of Biological Sciences:

TROSHIKHIN, V. A. - Development of the Conditioned Activity of the Reflector in the Early Postnatal Period in Dogs.

KHARCHENKO, P. D. - Delayed Conditioned Reflexes/ Analysis of Retardation.

for the degree of Doctor of Medical Sciences:

PRONINA, N. N. - On the Problem of the Control Mechanism of the Water Metabolism.

for the degree of Cand. of Medical Sciences:

FAYZIYEV, S. - Unconditioned and Naturally Conditioned Nutritive Sputum Reflex in Sheep of the Romanov- and Karakul Breed.

CHUDNOVERKIY, L. A. - On the Trophic Innervation of the Ovaries and the Uterus of the Rabbit.

TRUSHKIN, V. A., Doc Biolog Sci-- (USSR) "The development of of a dog's  
conditioned reflexes in the early post-natal period." Leningrad, 1957, 20 pp.  
(AS USSR. Inst of Physiology im. I. P. Pavlov), 100 copies  
(KL, N. 41, 1957, p. 107)

MIRZAKARIMOVA, M.G., STEL'MAKH, L.N., TROSHKIN, V.A.

Controlled modifications of passive defense and searching reflexes  
in ontogenesis [with summary in English]. Zhur.vys.nerv.deiat.  
8 no.5:751-757 S-O '58 (MIRA 12:1)

1. Laboratoriya sravnitel'nogo ontogeneza vysshey nervnoy deyatel'nosti  
Instituta fiziologii im. I.P. Pavlova AN SSSR.

(REFLEX,

passive defense & searching reflexes, eff. of  
conditioning in young dogs (Rus))

(REFLEX, CONDITIONED

eff. on passive defense & searching reflexes in  
young dogs (Rus))

KLYAVINA, M.P., KOBAKOVA, Ye.M., STEL'MAKH, L.N., TROSHKHIN, V.A.

The speed of formation of conditioned reflexes in dogs in ontogenesis/  
[with summary in English]. Zhur.vys.nevr. deiat. 8 no.6:929-936  
N-D '58 (MIRA 12:1)

1. Laboratory of Comparative Ontogenesis of the Higher Nervous Activity,  
Pavlov Institute of Physiology, USSR Academy of Sciences, Koltushi.

(REFLEX, CONDITIONED,

rate of form. in young dogs, age factor (Rus))

(AGING, effects,

on conditioned reflex form, rate in young dogs (Rus))

KORAKOVA, Ye.M.; KOZLOVA, L.N.; TROSHIKHIN, V.A.

Effect of various doses of gamma rays from radioactive cobalt on the development of a rabbit in ontogenesis. Nauch. soob. Inst. fiziol. AN SSSR no.1:163-165 '59. (MIRA 14:10)

1. Laboratoriya sravnitel'nogo ontogeneza vysshey nervnoy deyatel'nosti (zav. - V.A. Troshikhin) Instituta fiziologii imeni Pavlova AN SSSR.

(GAMMA RAYS--PHYSIOLOGICAL EFFECT) (ONTOGENY)

~~TROSHIKHIN, V.A.~~

Development of conditioned reflex activity in the early ontogenesis of animals. Izv. AN SSSR. Ser.biol. no.6:909-916 N-D '60.

(MIRA 13:11)

1. Institut fiziologii imeni I.P.Pavlova, Akademii nauk SSSR.  
(CONDITIONED RESPONSE)  
(ANIMALS, INFANCY OF) .

VAVILOVA, N.M. (Koltushi); KLYAVINA, M.P. (Koltushi); OBRAZTSOVA, G.A.  
(Koltushi); TROSHIKHIN, V.A. (Koltushi)

Certain trends of research on the ontogenesis of the central nervous  
system in animals. Us.p sovr. biol. 49 no.1:104-114 Ja-F '60.

(MIRA 14:5)

(NERVOUS SYSTEM)

(ONTOGENY)

TROSHIKHIN, V.A. [Troshykhin, V.A.]; KOZLOVA, L.N.

Formation and development of the mobility of nervous processes in the ontogeny of dogs. Fiziol. zhur. [Ukr.] 7 no.2:159-164 Mr-Apr '61. (MIRA 14:4)

1. Laboratory of Comparative Ontogeny of the Higher Nervous Activity of the I.P.Pavlov Institute of Physiology of the Academy of Science of the U.S.S.R., Leningrad.  
(NERVOUS SYSTEM—AGING) (DOGS—PHYSIOLOGY)

TROSHIKHIN, V.A.; KOZLOVA, L.N.

Formation and development of mobility and inertness of neural processes  
in ontogenesis. Zhur. vys. nerv.deiat. 11 no.5:878-883 S-0 '61.  
(MIRA 15:1)

1. Laboratory of Comparative Ontogenesis of the High Nervous Activity,  
Pavlov Institute of Physiology, U.S.S.R. Academy of Sciences,  
(CONDITIONED RESPONSE) (NERVOUS SYSTEM)

VAVILOVA, N.M.; KLYAVINA, M.P.; OBRAZTSOVA, G.A.; TROSHIKHIN, V.A.

Correlation of the typological properties of higher nervous activity and the course of pathological processes. Zhur. vys. nerv. deiat. 11 no.6:1038-1043 N-D '61. (MIRA 15:3)

1. Laboratory of Comparative Ontogenesis of the Higher Nervous Activity, Pavlov Institute of Physiology, U.S.S.R. Academy of Sciences, Koltushi.  
(NEUROSES) (NERVOUS SYSTEM) (CANCER) (PLAGUE)

TROSHIKHIN, V.A. [Troshykhin, V.O.]

Some problems of the development of congenital conditioned reactions and neuroses in ontogenesis. Fiziol. zhur. [Ukr.] 8 no.2:159-167 .  
Mr-Ap '62. (MIRA 15:5)

1. I.P.Pavlov Institute of Physiology of the Academy of Sciences of the U.S.S.R., Leningrad, and the Institute of Hydrobiology of the Academy of Sciences of the Ukrainian S.S.R., Kiyev.  
(CONDITIONED RESPONSE) (NEUROSES)

TROSHIKHEN, V.A.; KOMOVA, I.N.

Variability of the basic properties of the type of the nervous  
system in cataplexy. In: *Tr. Vses. nauch. konf. 1965*. no. 1:26-30.  
Sa-F 165. (MIRA 12:5)

1. Institut fiziologii im. A.A. Bogomoletsa AN UkrSSR.

TROSHIKHIN, V.A. [Troshykhin, V.O.]; KOZLOVA, L.N.; KIYENKO, V.M.  
[Kyienko, V.M.]

Further materials on the problem of the mechanism of the ultra-  
paradoxal phase. Fiziol. zhur. [Ukr.] 11 no.6:707-716 N-D '65.  
(MIRA 19:1)

1. Institut fiziologii im. A.A. Bogomol'tsa AN UkrSSR, Kiyev.  
Submitted June 13, 1965.

MAKARENKO, N.V. [Makarenko, M.V.]; TROSHIKHIN, V.A. [Troshykhin, V.O.]

Methodology of quantitative conditioned motor response in small  
laboratory animals. Fiziol. zhur. [Ukr.] 11 no.6:832-836 N-D '65.  
(MIRA 19:1)

1. Laboratoriya fiziologii nervnoy sistemy Instituta fiziologii  
im. Bogomol'tsa AN UkrSSR, Kiev.

MAKARCHENKO, A.F., akademik, otv. red.; BOGACH, P.G., prof., red.;  
TROSHIKHIN, V.A., prof., red.; GUREVICH, M.I., doktor med.  
nauk, red.; KOLCHINSKAYA, A.Z., doktor biol. nauk, red.;  
PUTILIN, N.I., prof., red.; OLEYNIK, I.F., kand. biol. nauk,  
red.; PREOBRAZHENSKIY, N.N., kand. vet. nauk, red.; SNEZHIN,  
M.I., red.

[Regulation of vegetative functions] regulatsiia vegetativ-  
nykh funktsii. Kiev, Naukova dumka, 1965. 246 p.

(MIRA 18:8)

1. Akademiya nauk URSS, Kiev. 2. AN Ukr.SSR (for Makarchenko).
3. Institut fiziologii im. A.A.Bogomol'tsa AN Ukr.SSR (for Putilin).

TROSHIKHIN, V.A. [Troshykhin, V.O.]

Formation and development of external and some forms of internal inhibition in early ontogenesis of animals born at an early stage of development. Fiziol.zhur.[Ukr.] 9 no.1:13-21 Ja-F '63.

(MIRA 18:5)

1. Laboratoriya sravnitel'nogo ontogeneza vysshey nervnoy deyatel'nosti Instituta fiziologii im. I.P.Pavlova AN SSSR, Leningrad.

VATILOVA, N.M.; KOBAKOVA, Ye.M.; OBRAZTSOVA, G.A.; TROSHIKHIN, V.A.

Characteristics of the individual properties of the higher nervous system in dogs based on the alimentary and defensive methodologies. Nauch.sob. Inst.fiziol. AN SSSR no.3:25-29 (MIRA 18:5) '65.

1. Laboratoriya sravnitel'nogo ontogeneza vysshey nervnoy deyatel'nosti (zav. - G.A.Obraztsova) Instituta fiziologii imeni Pavlova AN SSSR.

BIRGER, Takhiya Izrailevna[Birher, T.I.]; TROSHIKHIN, V.O.[Troshykhin, V.O.], doktor biol. nauk, otv. red.; BRAGINSKIY, L.P.  
[Brahins'kyi, L.P.], kand. biol. nauk, red. izd-va;  
RAKHLINA, N.P., tekhn. red.

[Value of invertebrates occurring in large masses in the  
Dnieper River and the Dnieper-Bug Liman as food of fishes]  
Kormova tsinuist' dlia ryb masovykh form bezkhrebetnykh  
Dnipra i Dniprovs'ko-Buz'koho limanu. Kyiv, Vyd-vo Akad. nauk  
URS, 1961. 108 p. (MIRA 15:2)  
(Dnieper Valley--Fresh-water fauna)  
(Fishes--Food)

TRCSHIKHINA, P.M.

Modification of respiratory rhythm ontogenesis in animals. *Fiziol.*  
zh. SSSR 39 no. 1:66-70 Jan-Feb 1953. (GLML 24:2)

1. Institute of Physiology imeni I. P. Pavlov of the Academy of  
Sciences USSR, Leningrad.

TROSHIKHINA, Yu. G.

"On the Problem of the Interrelations Between Motor and Digestive  
Relative Reflexes."

dissertation defended for the degree of Candidate of Biological Sciences at  
the Inst. for Physiology im I. P. Pavlov.

Defense of Dissertation (Jan-Jul 1957)  
Sect. of Biological Sciences  
Vest. AN SSSR, v. 27, No. 12, pp. 118-120 (1957)

L 12951-63

EWT(1)/BDS/ES(a)/ES(b)/ES(c)/ES(k) Pb-4 A/DD

63

ACCESSION NR: AP3001505

S/0239/63/049/005/0643/0647

62

AUTHOR: Breslav, I. S.; Zhironkin, A. G.; Konza, E. A.; Salatsinskaya, Ye. N.; Troshikin, G. V.

TITLE: Gas exchange dynamics of white mice under conditions of high partial oxygen pressure 2

SOURCE: Fiziologicheskii zhurnal SSSR, v. 49, no. 5, 1963, 643-647

TOPIC TAGS: gas exchange, hyperoxia, hypoxia, redox, oxygen

ABSTRACT: Gas exchange dynamics in relation to an organism under hyperoxic conditions is of medical and biological importance but has received little attention. To study this problem experiments were conducted on white mice placed in a glass chamber with an automatic feeder. The chamber was kept under water to maintain a constant temperature (22-23°) and oxygen was supplied automatically. Total amount of carbon dioxide exhaled was determined by titrating the chemical absorber after the experiment. The mice were kept in nitrogen-oxygen mixtures with 60% or 90% oxygen (O sub 2) content for various periods of time. Some mice were taken from a regular air medium to a hyperoxic medium (60% or 90%) and some from a hyperoxic one to a

Card 1/2

N. 12951-63

ACCESSION NR: AP3001505

hypoxic one (9% O sub 2). The gas exchange level of mice in a nitrogen-oxygen mixture at first is high and then drops to a level a little higher than normal and remains there. The gas exchange level of mice exposed to hyperoxic conditions for 36 hrs and then moved to a hypoxic medium undergoes a slow decrease. The dynamics of these changes reflect a rearrangement of the redox processes which appears to correspond with sudden changes in the oxygen medium. The author recommends that more detailed studies be made of oxygen concentrations and their effect on the gas exchange level in an organism. Orig. art. has: 2 figures and 1 table.

ASSOCIATION: Institut fiziologii im. I. P. Pavlova AN SSSR, Leningrad  
(Institute of Physiology, AN SSSR)

SUBMITTED: 15Aug62

DATE ACQ: 12Jun63

ENCL: 00

SUB CODE: AM

NO REF SOV: 011

OTHER: 003

Card 2/2

TROSHIN, Cand of Phys-Math-Sci- (diss) "Solution of Flow Problems in Subsonic Gas Dynamics," Moscow, 1959, 6 pp (Moscow State University im. M.V. Lomonosov) (KL- 7-60, 107)

TROSHIN, A., kand.yurid.nauk

Production work of future specialists. Okhr. truda i sots.  
strakh. 5 no.5:40-41 My '62. (MIRA 15:5)  
(Education, Cooperative)  
(Student employment)

TROSHIN, A.

"On the mechanism of the narcotic action of certain substances on the spermatozoaz of *Rana Temporaria*." (p. 721) Laboratory of the Physiology of Cells (Chief: Prof. D. N. Nasonov), Institute of Physiology, Leningrad University. by Raevskaya, Mr. and Troshin, A.

SO: Biological Journal (Biologicheskii Zhurnal) Vol. VI, 1937, No. 4

TROSHIN, A., student

Plastic aortas. Tekh.mol. 28 no.7:15 '60. (MIRA 13:8)

1. Pervyy Moskovskiy meditsinskiy institut.  
(ARTERIES---SURGERY) (PLASTICS)

PROCESSES AND PROPERTIES INDEX

The mechanism of the narcotic action of certain substances on the spermatozooids of *Rana temporaria*. M. Raevskaya and A. Troshin. *Biol. Zhur. U. S. S. R.* 6, 721-39 (in French, 738) (1937).—The narcotic action and the capacity for blocking the micellar surfaces of dead spermatozooids of *Rana temporaria* are closely related, and for the following compds. are in the order: glycerol < MeOH < EtOH < urea < Me<sub>2</sub>CO < glucose < PrOH < urethan < quinine < sapouin.  
S. A. Karjala

METALLURGICAL LITERATURE CLASSIFICATION

TROSHIN, A., kand.yuridicheskikh nauk

Legal status of the students of institutions of higher learning  
and technical schools during the training period. Sots. trud  
no.2:122-128 F '63. (MIRA 16:2)  
(Student employment)

TROSHIN, A.

Who flies on the largest ones? Grazhd. av. 22 no. 10:13-15  
0 '65. (MIRA 18:12)

TROSHIN, A.

For those who work and study. Okhr. truda i sots. strakh. 5  
no.9:41-42 S '62. (MIRA 16:5)  
(Evening and continuation schools) (Vacations, Employee)

TROSHIN, A., inzh.

Medium ship maintenance to be done by the crews. Rech. transp.  
21 no.10:31-32 0 '62. (MIRA 15:10)

1. Amurskoye rechnoye parokhodstvo.

(Ships—Maintenance and repair)

TROSHIN, A.

Why the sparks die out. Grazhd. av. 22 no.1:15 Ja '65.  
(MIRA 18:11)

1. Sekretar' komiteta Vsesoyuznogo Leninskogo kommunisti-  
cheskogo aeroporta, Moskva.

TROSHIN, A.K.,; GUREVICH, Ya.D., ved. red.; TROFIMOV, A.V., tekhn. red.

[History of petroleum technology in Russia from the 17th century to the second half of the 19th century] Istoriia neftianoi tekhniki v Rossii (XVII v.-vторая polovina XIX v.). Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1958. 112 p. (MIRA 11:11)

(Petroleum industry)

TROSHIN, A.K.

M.K. Sidorov's oil field on the Ukhta River. Trudy Inst. 1st. est.  
1 tekhn. 33:211-215 '60. (MIRA 13:8)  
(Ukhta Valley--Oil fields)

TROSHIN, A. K.

Cand. Tech. Sci.

Dissertation: "Investigation of the Coefficient of Heat Transfer on Cooling of Petroleum Products in a Reservoir." Moscow Order of the Labor Red Banner Petroleum Institute Academician I. M. Gubkin, 15 Apr 47.

SO: Vechernyaya Moskva, Apr, 1947 (Project #17836)

1ST AND 2ND CATEGORIES																										3RD AND 4TH CATEGORIES																									
PROCESSES AND PROPERTIES INDEX																										1																									
<p>TROSHIN, A-K CA</p> <p>Mean temperature difference in the process of heat transfer. A. K. Troshin. <i>Neftekhim. Khim.</i> 26, No. 24, 42-6(1948). The equation for the mean temp. difference in heat transfer at variable temps. can be converted to a more general form by adopting the term "counterflow index" <math>\rho</math> which designates the ratio of water equivs. of the counterflow portion and of the return bend and which ranges from 1 to minus infinity. The mean temp. difference can be calcd. from the modified equation directly, without using a correction factor detd. from graphs.</p> <p>Bruno C. Metzner</p>																																																			
<p>ASU. SLA METALLURGICAL LITERATURE CLASSIFICATION</p> <p>FROM SYMBOLIC</p> <p>FROM SYMBOLIC</p> <p>FROM SYMBOLIC</p>																																																			

TROSHIN, A.K.

Development and techniques of building petroleum pipelines in  
prerevolutionary Russia. Trudy Inst.ist.est,i tekhn. 25:177-200  
'59. (MIRA 13:4)

(Petroleum--Pipelines)

TROSHIN, A.K.

Steam heated evaporators and steam superheaters for  
propane and butane. Gaz. prom. 4 no.3:15-24 Mr '59.  
(MIRA 12:5)  
(Liquefied petroleum gas) (Superheaters) (Evaporating appliances)

TROSHIN, A.K.

Beginning of the tanker transportation of petroleum. Trudy po ist.  
tekh. no.11:30-38 '54. (MLRA 7:9)  
(Petroleum--Transportation) (Tank vessels)

TROSHIN, Anatoliy Konstantinovich; KUZIN, A.A., otv. red.;  
SKACHKOV, S.A., red. izd-va; RYLINA, Yu.V., tekhn. red.

[Ivan Evstaf'evich Vlasov, a Russian voivode and  
mineralogist of the 17th century] Ivan Evstaf'evich Vlasov -  
voevoda - rudoznatets XVII v. Moskva, Izd-vo AN SSSR, 1963.  
(MIRA 16:11)  
45 p.  
(Mineralogists) (Vlasov, Ivan Evstaf'evich, 1628-1710)

CA

11/11

Distribution of sugars between cells and the surrounding medium. A. S. Troshin (Inst. Exptl. Med., Leningrad). *Biokhimiya* 16, 184-70 (1951).—Yeasts were suspended in aq. solns. of lactose, and the amt. of sugar adsorbed was measured by its diminution in the medium. At a lactose concn. of 10.6% in the medium, the sugar concn. in the yeasts was 23% less. But at a lactose concn. of 0.13%, the sugar concn. in the yeasts was 7 times greater. The distribution of the sugars arabinose, galactose, and sucrose between the aq. medium and frog muscle was also measured. A similar relationship was found: a very high sugar concn. in the medium resulted in a lower sugar concn. in the muscle tissue, whereas a low sugar concn. in the aq. medium brought about an increased sugar concn. in the muscle, because of adsorption. These results are in disagreement with the membrane theory. H. Priestley

1951

CA

Distribution of water and chloride ion between yeast cells and medium. A. S. Troshin (Inst. Exptl. Med., Leningrad). *Biokhimiya* 13, 253-7 (1948).—A study was made of the changes in the vol. of yeast cells (*Saccharomyces ellipsoideus*) in soln. with different concns. of lactose and NaCl, and the distribution of the chloride ion between medium and yeast cells. The changes in the vols. of the yeasts caused by the changes of lactose and NaCl concns. do not obey the law of osmosis. The absorption and loss of H<sub>2</sub>O by these cells are apparently related to the swelling and contraction of the protoplasmic colloids. The chloride ion can penetrate the yeast cells. The nature of its distribution between yeasts and medium is not in harmony with the membrane theory.

H. Priestley

**"APPROVED FOR RELEASE: 03/14/2001**

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TROSHIN, A.S.

Regulation of the water content in protoplasm. Trudy Zool. inst. 13:  
420-433 '53. (MLRA 7:5)  
(Protoplasm)

TROSHIN, A. S.

IL'INSKAYA, N.B.; TROSHIN, A.S.

Tagging flies and mosquitoes with radioactive phosphorus. Zool.  
zhur. 33 no.4:841-847 J1-Ag '54. (MIRA 7:8)

1. Zoologicheskiy institut SSSR.  
(Phosphorus--Isotopes) (Mosquitoes) (Flies)

TROSHIN, A. S.

USSR/Biology - Zoology

Card 1/1 : Pub. 22 - 35/41

Authors : Rodina, A. G., and Troshin, A. S.

Title : Use of marked atoms in studying the feeding of water animals

Periodical : Dok. AN SSSR 98/2, 297-300, Sep 11, 1954

Abstract : A method for determining the degree of utilization, by water animals, of one and the same element from an aqueous medium and from prepared feed and the rate of combining this element with the body tissues of the animals, is described. Five references: 4-USSR and 1-USA (1940-1950). Tables; graphs; illustrations.

Institution : Academy of Sciences USSR, Zoological Institute

Presented by : Academician E. N. Pavlovskiy, May 22, 1954

*TROSHIN, A.S.*

USSR/ Biology - Hydrobiology

Card 1/1 : Pub. 22 - 42/49

Authors : Rodina, A. G., and Troshin, A. S.

Title : Behavior of phosphorus brought into pond water with plant fertilizers

Periodical : Dok. AN SSSR 98/4, 665-668, Oct. 1, 1954

Abstract : Data on the behavior of P brought into pond water together with plant fertilizer are presented. Two references: 1-USSR and 1-USA (1950 and 1952). Graphs; illustrations.

Institution : Academy of Sciences USSR, Zoological Institute

Presented by : Academician E. N. Pavlovskiy, July 16, 1954

TROSHIN, A.S.; NASONOV, D.N., professor, redaktor; ZHIRMUNSKIY, A.V., redaktor;  
~~ARONS, R.A., tekhnicheskiiy redaktor~~

[Problem of cellular penetrability] Problema kletochnoi pro-  
nitsaemosti. Moskva, Izd-vo Akademii nauk SSSR, 1956. 474 p.  
(MLRA 9:3)

1. Chlen-korrespondent AN SSSR (for Nasonov)  
(Cells)

COUNTRY : USSR  
 CATEGORY : General Biology.  
 : Physical and Chemical Biology.  
 ABS. JOUR. : RZhBiol., No. 5, 1959, No. 18981  
 AUTHOR : Troshin, A. S.  
 INST. : AS USSR.  
 TITLE : The Method of Radioactive Indicators and Its  
 : Application in Hydrobiology.  
 ORIG. PUB. : Zhizn' presnykh vod SSSR. 4, ch. 1. M.-L.,  
 : AN SSSR, 1956, 414-437  
 ABSTRACT : With sufficient completeness which is meant  
 : for the non-expert in isotope methods of  
 : investigation, the author gives an account of  
 : radioactive isotopes, calculating-radiometrical  
 : apparatuses, and the principles of recording  
 : quantities of ionizing radiation. A table is  
 : presented which contains the characterization  
 : of the radioisotopes of 30 elements which are  
 : of most interest to hydrobiologists. Consider-  
 : able space is devoted to the methods of pre-

B

CARD:

1/3

6

COUNTRY : USSR  
CATEGORY :

B

ABS. JOUR. : RZhBiol., No. 1959, No. 1

AUTHOR :  
INST. :  
TITLE :

ORIG. PUB. :

ABSTRACT :

paring samples of radioactive substances and to their measurements, taking into consideration their initial activity, geometrical conditions, self-absorption, and measurement errors. The method of the organisms' radioautography is described, of their tissue's microscopic sections and of small animals and plants. Within the scope of hydrobiological problems which may be solved by radioactive indicators, the author points to the rotation of substances in water reservoirs and the marking of water animals.

Card:

2/3

COUNTRY : USSR  
CATEGORY :

ABS. JOUR. : RZhBiol., No. 1959, No.

AUTHOR :  
INST. :  
TITLE :

ORIG. PUB. :

ABSTRACT : Introducing a marked substance into the reservoir permits to observe its distribution among the various reservoir components. The method of finding the coefficients which determine the distribution of the radioactive substance in the organism and in the environment is described. -- G. G. Polikarpov

CARD: 3/3

TROSHIN, A.S.; ZHADIN, V.I.

Radiotagging of the vimba and chalcalburnus as a method for determining the effectiveness of work at the vimba-chalcalburnus nursery.  
(MLRA 10:4)  
Trudy probl. i tem. sov. no.7:57-61 '57.  
(Psekups Valley--Fish tagging) (Carp) (Phosphorus--Isotopes)

TROSHIN, A.S.

Bound and free sodium in skeletal muscles of the frog [with  
summary in English]. Biofizika 2 no.5:617-627 '57. (MIRA 10:11)

1. Zoologicheskiy institut AN SSSR, Leningrad.  
(MUSCLE) (SODIUM IN THE BODY)

307/30-58-7-22/49

AUTHOR: Troshin, A. S., Doctor of Biology

TITLE: News in Brief (Kratkiye soobshcheniya) The Second International Conference on the Mechanism of Stimulation (Vtoroye mezhdunarodnoye soveshchaniye po mekhanizmu возбуждениya)

PERIODICAL: Vestnik Akademii nauk SSSR, 1958, Nr 7, pp. 103 - 104 (USSR)

ABSTRACT: The conference was held at the Humboldt-University (Universitet im. A. Gumbol'dta) in Berlin, in the DDR (German Democratic Republic)(GDR) from March 31 to April 2. It was attended by physiologists, biochemists and biophysicists, who with respect to the mechanism of stimulation, take two different views. One group proceeds from the albumin theory developed by D.N.Nasonov and his students. The other group relies on the principles of the diaphragm theory proposed by A.Hodgkin, and the Cambridge School(kembridzhskaya shkola) of physiologists. 24 reports were submitted. They are partly listed below:  
 1)V.Ya.Aleksandrova (USSR) on the Albumin Theory of Injury and Stimulation.  
 2)B.N.Tarusov (USSR) on Electrical Parameters of the Cells in

Card 1/3

News in Brief. The Second International Conference  
on the Mechanism of Stimulation

SOV/30-58-7-22/49

Different Functional States.

3) E. Ernst, Hungary (Vengriya) showed that individual fibrils react to every electrical irritation by a distinctive contraction.

4) G.M. Frank, USSR, on Structural Changes in Nerve Fibers Caused by Excitation.

5) A. Kaladzhieva, Bulgaria (Bolgariya), A. Wolf (Vol'f), V. Linke, DDR, Ye.M. Makovskiy, Roumania (Rumyniya) investigated the properties of solutions of native albumins.

6) G. Vogel (Fogel'), G. Krause (Krauze), G. John (Dzhon), DDR, described the results obtained by the investigation of the influence exercised by temperature and various poisons of fermentation on the monodular (monodal'nyi) active current.

7) G. Lippmann, E. Schubert (Shubert), DDR, on the Influence exercised by Metabolism Upon the Process of Cell-Excitation.

8) E. Gutman, Ts. Vodichka, Czechoslovakia (Chechoslovakiya) on Impulseless Processes in Nervous Structures.

9) L. Lyubinskaya, Poland (Pol'sha), K. Cheng, China (Kitay), on the Morphological Structure of Some Elements of the Nervous System.

Card 2/3

News in Brief. The Second International Conference  
on the Mechanism of Stimulation

SOV/30-58-7-22/49

An animated discussion of the reports took place after the  
papers had been read.

Card 3/3

TROSHIN, A.S., doktor biol.nauk

Second International Conference on the Mechanism of Excitation.  
(MIRA 11:7)  
Vest. AN SSSR 28 no. 7:103-104 J1 '58.  
(Berlin--Physiology--Congresses)

KIRPICHNIKOV, V.S., kand.biol.nauk; SVETOVIDOV, A.N.; TROSHIN, A.S., doktor  
biol.nauk

Tagging fish with radioactive isotopes of phosphorus and calcium.  
(MIRA 11:11)  
Trudy sov.Ikht.kom. no.8:307-321 '58.

1. Chlen-korrespondent AN SSSR (for Svetovidov). 2. Zoologicheskii  
institut AN SSSR i Vsesoyuznyy nauchno-issledovatel'skiy institut  
ozernogo i rechnogo rybnogo khozyaystva.  
(Fish tagging) (Phosphorus--Isotopes) (Calcium--Isotopes)

*Handwritten:* LAKED RIVER FISH TAGGING

TROSHIN, A.S., VARENINOV, A.A., KROLENKO, S.A., NIKOL'SKIY, N.N.

Dmitrii Nikolaevich Hasonov. Fiziol.zhur. 44 no.12:1166-1169  
D'58 (MIRA 12:1)

(HASONOV, DMITRII NIKOLAEVICH, 1895-1957)

TROSHIN, A.S.

Work and life of Dmitrii Nikolaevich Masanov. TSitologiya 1 no.6:  
601-604 H-D '59. (MIRA 13:4)  
(HANOSOV, DMITRII NIKOLAEVICH, 1895-1957)

TROSHIN, A. S.

"Sorption Properties of Protoplasm and their Role in Cell Permeability,"

report submitted for the Symposium on Membrane Transport and Metabolism, Prague,  
Czech., 22-26 August 1960.

Inst. of Cytology, Acad. Sci. USSR, Leningrad

POLYANSKIY, Yu.I., otv.red.; ALEKSANDROV, V.Ya., red.; GINETSINSKIY, A.G., red.; ZHUKOV, Ye.K., red.; ZHIRMUNSKIY, A.V., red.; KARASIK, V.M., red.; KIRO, M.B., red.; LOZINA-LOZINSKIY, L.K., red.; NIKOL'SKIY, N.N., red.; PARIBOK, V.P., red.; ROMANOV, S.N., red.; SVETLOV, P.G., red.; SOKOLOV, I.I., red.; TROSHIN, A.S., red.; USHAKOV, B.P., red.; SHERSTOBITOV, O.Ye., red. izd-va; PEVZNER, R.S., tekhn.red.

[Problems in cytology and general physiology] Voprosy tsitologii i obshchei fiziologii. Moskva, Izd-vo Akad.nauk SSSR, 1960. (MIRA 14:1)  
393 p.

1. Akademiya nauk SSSR. Institut tsitologii. 2. Institut evolyutsionnoy fiziologii im. I.M.Sechenova AN SSSR, Leningrad (for Ginetsinskiy). 3. Fiziologicheskiy institut im. A.A.Ukhtomskogo pri Leningradskom universitete im. A.A.Zhdanova (for Zhukov). 4. Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR, Leningrad (for Karasik). 5. Institut tsitologii AN SSSR, Leningrad (for Kiro, Paribok, Sokolov). 6. Institut fiziologii im. I.P.Pavlova AN SSSR, Leningrad (for Romanov). 7. Laboratoriya embriologii Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad (for Svetlov). 8. Laboratoriya fiziologii kletki Instituta tsitologii AN SSSR, Leningrad (for Troshin). 9. Laboratoriya sravnitel'noy tsitologii Instituta tsitologii AN SSSR, Leningrad (for Ushakov).  
(CYTOLOGY) (PHYSIOLOGY)

TROSHIN, A.S.

Research objectives in "Main problems of cytology". TSitologia  
2 no.2:131-137 Mr-Apr '60. (MIRA 14:5)  
(CELLS)

TROSHIN, A.S.

Concerning L.M. Chailakhian's article "Modern concepts of the  
nature of the rest potential." Biofizika 5 no.1:94-98 '60.  
(MIRA 13:6)

1. Institut tsitologii AN SSSR, Leningrad.  
(ELECTROPHYSIOLOGY)

TROSHIN, A.S.

Symposium on the topic "Membrane transfer and metabolism."  
Vest. AN SSSR 30 no.11:111-112 N '60. (MIRA 13:11)

1. Chlen-korrespondent AN SSSR.  
(Tissues--Hermeability) (Metabolism)

TROSHIN, A. S.

"Sorption properties of the protoplasm considered broadly and their role in the distribution of substances between the cell and the medium"

To be submitted for the International Biophysics Congress, Stockholm, Sweden, 31 Jul-4 Aug 1961.

Director of the Institute of Cytology, Academy of Sciences USSR.

TROSHIN, A.S.

Some trends in cytological research in the United States. TSitologia  
3 no.4:489-493 J1-Ag '61. (MIRA 14:8)  
(UNITED STATES--CYTOLOGY)

POLEVSKIY, Yu.I., prof.; TROSHIN, A.S.

Basic objectives in article . Vest. AN SSSR 31 no. 1:80-86  
'61. (MIRA 14:1)

1. Chlen-korrespondent AN SSSR (for Troshin).  
(Cytology)

TROSHIN, A.S.; ZHINKIN, L.N., doktor biolog.nauk

Studying the mitotic division of cells. Vest. AN SSSR 31  
no.10:134-135 0 '61. (MIRA 14:9)

1. Chlen-korrespondent AN SSSR (for Troshin).  
(Daryokinesis--Congresses)

NASONOV, Dmitriy Nikolayevich (1895-1957); TROSHIN, A.S., otv. red.;  
KONDRAT'YEVA, M.N., tekhn. red.

[Local responses of protoplasm and propagated excitation]  
Mestnaia reaktsiia protoplazmy i rasprostraniayushcheesia  
vozbuzhdenie. 2. izd. Moskva, Izd-vo Akad. nauk SSSR, 1962.  
426 p. (MIRA 15:3)

(PROTOPLASM)

TROSHIN, A.S.; PARIBOK, V.P.; KROLENKO, S.A.

Cytology in practice. Izv. AN SSSR. Ser. biol. 27 no.1:127-130  
Ja-F '62. (MIRA 15:3)

1. Institute tsitologii AN SSSR.  
(CYTOLOGY)

NASONOV, Dmitriy Nikolayevich; TROSHIN, A.S., glav. red.; GOLOVINA, N.V., red.; POLYANSKIY, Yu.I., red.; ROZENTAL', D.L., red.; STRELKOV, A.A., red.; VASIL'YEVA, Z.A., red.izd-va; VINOGRADOVA, N.F., tekhn. red.

[Some problems of cell morphology and physiology] Nekotorye voprosy morfologii i fiziologii kletki; izbrannye trudy. Moskva, Izd-vo AN SSSR, 1963. 361 p. (MIRA 16:12)  
(Cytology)

TROSHIN, A.S.; BARENBOYM, G.M.

Luminescence methods in cytology. Vest. AN SSSR 33 no.6:73-76 Je  
'63. (MIRA 16:7)

1. Chlen-korrespondent AN SSSR.  
(Cytology) (Fluorescence microscopy)

TROSHIN, A.S.

Sorptive properties of protoplasm and their role in the phenomena  
of cell permeability. Trudy MOIP. Otd. biol. 9:7-16 '64. (MIRA 18:1)

1. Institut tsitologii AN SSSR, Leningrad.

TROSHIN, A.S., otv. red.; ARRONET, N.I., red.; BEYER, T.V., red.;  
ZHIRMUNSKIY, A.V., red.; KUSAKINA, A.A., red.; PROSSER,  
K.L., red.; LOZINA-LOZINSKIY, L.K., red.; POLYANSKIY,  
Yu.I., red.; SUKHANOVA, K.M., red.; USHAKOV, B.P., red.;  
FEL'DMAN, N.L., red.; ALEKSANDROV, V.Ya., red.

[Cell and the temperature of the medium; transactions]  
Kletka i temperatura sredy; trudy. Moskva, Nauka, 1964. 303 p.  
(MIRA 18:1)

1. International Symposium on Cytoecology, Leningrad, 1963.
2. Institut tsitologii AN SSSR, Leningrad (for Troshin, Arronet).
3. Laboratoriya kosmicheskoy biologii Instituta tsitologii AN SSSR, Leningrad (for Lozina-Lozinskiy).
4. Laboratoriya tsitofiziologii i tsitoekologii Botanicheskogo instituta im. V.L.Komarova AN SSSR, Leningrad (for Aleksandrov).
5. Laboratoriya sravnitel'noy tsitologii Instituta tsitologii AN SSSR, Leningrad (for Zhirmunskiy, Kusakina, Ushakov).
6. Laboratoriya tsitologii odnokletochnykh organizmov Instituta tsitologii AN SSSR, Leningrad (for Sukhanova).
7. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad (for Arronet).

ZHUKOVSKIY, P.M., otv. red.; TROSHIN, A.S., otv. red.; ASTAUROV, B.L., red.; ZHINKIN, L.N., red.; MATVEYEVA, T.S., red.; SAKHAROV, V.V., red.; FEDOROV, A.A., red.; CHUKSANOVA, N.A., red.

[Polyploidy and breeding; transactions] Poliploidia i selektsiia; trudy. Moskva, Nauka, 1965. 322 p.

(MIRA 18:6)

1. Soveshchaniye po poliploidii, 1963. 2. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I. Lenina (for Zhukovskiy). 3. Chlen-korrespondent AN SSSR (for all except Zhukovskiy).

ALEKSANDROV, Samuil Naumovich; ROZENTAL', Dora L'vovna; TROSHIN,  
A.S., otv. red.

[Spreading of the lesion in somatic muscle fibers] Ras-  
prostranenie povrezhdeniia v somaticheskikh myshechnykh  
voloknakh. Moskva, Nauka, 1965. 125 p. (MIRA 19:1)

TROSHIN, A.S.; PISAREVA, I.N.

Distribution of amino acids between the frog muscles and the  
environmental medium. Tsitologiya 7 no.4:570-573 J1-Ag '65.  
(MIRA 13:9)

1. Laboratorii fiziologii kletki Instituta tsitologii AN SSSR,  
Leningrad.

ROZENTAL', D.I.; TROSHIN, A.S.

New data on substantial changes due to cell damage and stimulation. TSitologiya 5 no.4:365-378 Ji-Ag '63. (MIRA 17:8)

1. Laboratoriya fiziologii kletki Instituta tsitologii AN SSSR, Leningrad.

KIPRENSKIY, Yu.V. (Moskva, D-40, ul.Mizhnyaya, d.9, kv.30); TROSHIN, A.Z.

Use of temporary prostheses in treating injuries of the major arteries.  
Nov. khir. arkh. no.5:58-61 S-0 '60. (MIRA 14:12)

1. Kafedra fakul'tetskoy khirurgii (zav. - zasluzhennyy deyatel' nauki,  
prof. N.N.Yelanskiy) i TSentral'naya nauchno-issledovatel'skaya  
laboratoriya (zav. - kand.med.nauk A.S.Chechulin) 1-go Moskovskogo  
meditsinskogo instituta.  
(ARTERIES---SURGERY) (PROSTHESIS)

KIRPATOVKIY, I.D.; TROSHIN, A.Z.; KULIK, V.P.

Use of synthetic vascular prosthesis in total transplantation  
of the small intestine; preliminary report. Trudy I-go MMI 42:  
224-231 '65. (MIRA 19:2)

1. Laboratoriya po peresadke organov i tkaney AMN SSSR i kafedra  
operativnoy khirurgii i topograficheskoy anatomii I Moskovskogo  
ordena Lenina meditsinskogo instituta imeni Sechenova.

TROSHIN, A.Z.; NIKOLAYEV, A.V.

New method of connecting vessels according to the end-to-side  
type. Trudy 1-go MMI 42:232-242 '65. (MIRA 19:2)

1. Kafedra operativnoy khirurgii i topograficheskoy anatomii  
1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni  
Sechenova.

TROSHIN, A.S.

Permeability of the cell nucleus. TSitologiya 5 no.6;  
601-614 N-D '63. (MIRA 17:10)

1. Laboratoriya fiziologii kletki Instituta tsitologii AN  
SSSR, Leningrad.

BAGAYEV, S.N.; KUZNETSOV, V.S.; TROITSKIY, Yu.V.; TROSHIN, B.I.

Spectral characteristics of a gas laser with a traveling wave. Pis'ma v zhurnal "Zhurnal eksperimental'noy i teoreticheskoy fiziki" no. 4, 21-24 May 1965. (MIRA 18:11)

1. Institut fiziki poluprovodnikov Sibirskogo otdeleniya AN SSSR. Submitted April 14, 1965.

ACC NR: AP7002426

SOURCE CODE: UR/0051/66/021/006/0768/0769

AUTHOR: Bagayev, S. N.; Troitskiy, Yu. V.; Troshin, B. I.

ORG: none

TITLE: Polarization and frequency characteristics of ring lasers with triangular resonators

SOURCE: Optika i spektroskopiya, v. 21, no. 6, 1966, 768-769

TOPIC TAGS: laser, gas laser, ring gas laser, gas laser polarization, gas laser frequency spectrum, ~~laser frequency spectrum~~ *characteristic*

ABSTRACT: The polarization and frequency characteristics of a triangular He-Ne laser arrangement were experimentally investigated along lines described earlier by Doyle and White (Appl. Phys. Letters. 5, 1964, 193). The arrangement had a perimeter of 363 cm which was formed by three multi-layer dielectric mirrors (the first two flat and the other spherical). Two discharge tubes, 4 mm in diameter, were filled with a 1:5 He-Ne mixture at a pressure of 1.8 mm Hg and operated on the 1.153  $\mu$  wavelength. The mode positions were observed by means of an arrangement consisting of a polarization prism, a photomultiplier, and an SCh-9 spectrum analyzer. Beats were observed on the 39-, 43-, and 92-Mc frequencies, the peak intensity of the latter being independent of the

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UDC: 621.375.9:535

ACC NR: AP7002426

turning of the prism around its axis. The peak values of the 39- and 43-Mc beats reached their maxima when the polarization prism was at an angle of  $45^\circ$  to the polarization planes of the system. These peaks disappeared periodically with every  $90^\circ$  turn of the prism. By inserting a birefringent plate (quartz or mica) into the resonator, the difference between the modes could be changed within wide limits. The arrangement is considered convenient for use in studying mode interaction, since Kerr cells, compensators, etc., can be employed to effect a smooth change of the mode difference between zero and its maximum.

Orig. art. has: 3 figures.

SUB CODE: 20/ SUBM DATE: 27Dec65/ OTH REF: 001/ ATD PRESS: 5112

Card 2/2

**"APPROVED FOR RELEASE: 03/14/2001**

**CIA-RDP86-00513R001756720020-1**

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Fig. 1. Test equipment.